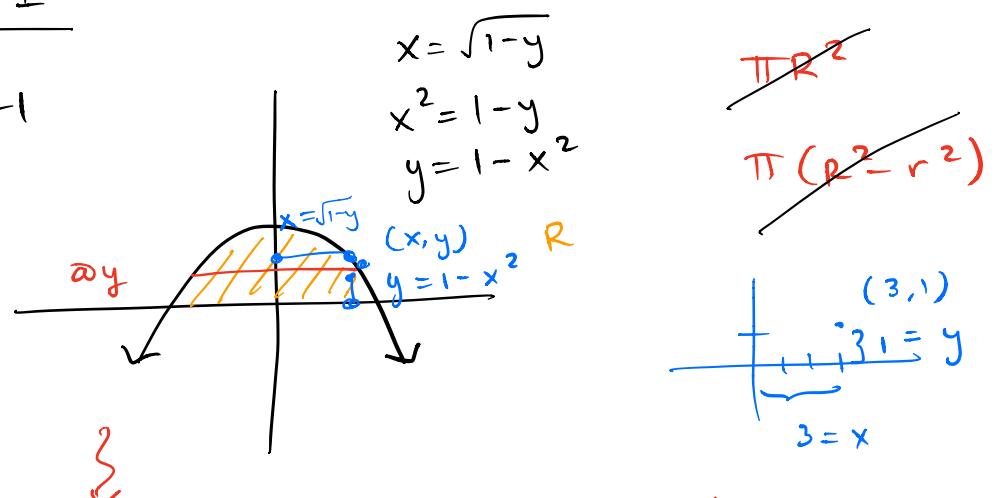


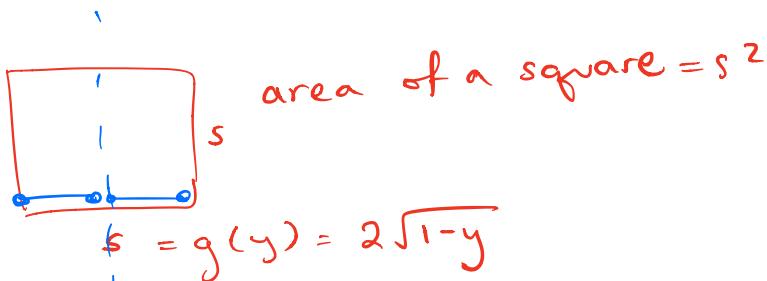
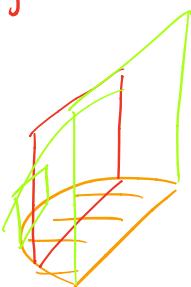
OH 1

#71



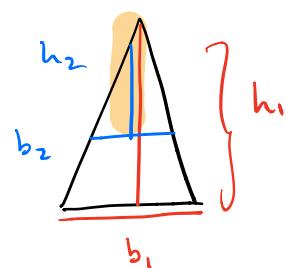
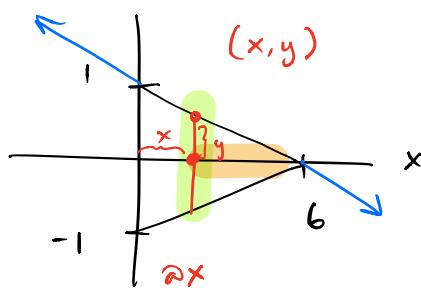
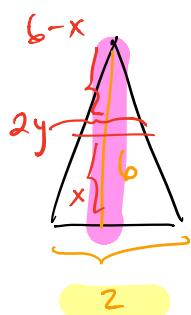
area of cross section at y : $0 \leq y \leq 1$

$$A(y) = ??$$



p. 137 $\int_a^b A(x) dx$

#63 area of a square $A = s^2 = l \times w$

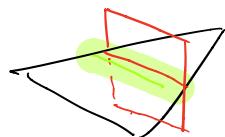


similar triangles

$$\frac{6-x}{6} = \frac{2y}{2}$$

$$\frac{h_2}{h_1} = \frac{b_2}{b_1}$$

$$\frac{6-x}{6} = y$$



side length of this square

$A = \frac{1}{9}x^2$ $s = \frac{x}{3}$ suggestion?



$$A = (2y)^2$$

0 + 2